

# Work Order ID 85275

**\*85275\***

Page 1

June-05-12 10:53:54 AM

Item ID: D412-769-041

Accept

**\*N900040100\***

Setup Start **\*NS1\***

Revision ID:

Item Name: Aft Facing Seat, LH

Stop **\*NS2\***

Start Date: 05/06/2012 Start Qty: 1.00

**\*1\***

Cust Item ID:

Required Date: 19/06/2012 Req'd Qty: 1.00

**\*1\***

Customer:

Reference:

Approvals: Process Plan: MLJ

Date: 12/06/05 Tooling:

Date:

Run Start **\*NR1\***

QC:

Date:

SPC (Y/N):

Date:

Stop **\*NR2\***

Sequence ID/ Work Center ID	Operation Description	Set Up/ Run Hours	Tool ID	Tool #	Plan Code	Accept Qty	Reject Qty	Reject Number	Insp. Stamp
--------------------------------	--------------------------	----------------------	---------	--------	--------------	---------------	---------------	------------------	----------------

Draw Nbr

Revision Nbr

IIN D412-769

Rev C

100

0.00

**\*100\***

DOCUMENT CONTROL

DC

Memo

0.00

Document Control

Photocopy bluefile & type labels per PPP D412-769-041

CHG 001

105

Pick Kit

0.00

**\*105\***

Packaging

Memo

0.00

Packaging

110

QC4- 100% Inspect kits for completeness

0.00

**\*110\***

QC

Memo

0.00

Quality Control

1 for MLJ 13-2-28

DAS  
06  
9-89

13/4/4

1

W/O:		WORK ORDER CHANGES					
DATE	STEP	PROCEDURE CHANGE	By	Date	Qty	Approval Chief Eng / Prod Mgr	Approval QC Inspector

Part No: \_\_\_\_\_ PAR #: \_\_\_\_\_ Fault Category: \_\_\_\_\_ NCR: Yes No DQA: \_\_\_\_\_ Date: \_\_\_\_\_

Resolution: \_\_\_\_\_ Disposition: \_\_\_\_\_ QA: N/C Closed: \_\_\_\_\_ Date: \_\_\_\_\_

NCR:		WORK ORDER NON-CONFORMANCE (NCR)						
DATE	STEP	Description of NC Section A	Corrective Action Section B			Verification Section C	Approval Chief Eng	Approval QC Inspector
			Initial Chief Eng	Action Description Chief Eng	Sign & Date			

**NOTE:** Date & initial all entries

**Work Order ID 85275****\*85275\***

Page 2

June-05-12 10:53:54 AM

Item ID: D412-769-041

Accept

**\*N900040100\***Setup Start **\*NS1\***

Revision ID:

Stop **\*NS2\***

Item Name: Aft Facing Seat, LH

Start Date: 05/06/2012 Start Qty: 1.00

**\*1\***

Cust Item ID:

Required Date: 19/06/2012 Req'd Qty: 1.00

**\*1\***

Customer:

Reference:

Approvals: Process Plan: \_\_\_\_\_ Date: \_\_\_\_\_ Tooling: \_\_\_\_\_ Date: \_\_\_\_\_

Run Start **\*NR1\***

QC: \_\_\_\_\_ Date: \_\_\_\_\_ SPC (Y/N): \_\_\_\_\_ Date: \_\_\_\_\_

Stop **\*NR2\***

Sequence ID/ Work Center ID	Operation Description	Set Up/ Run Hours	Tool ID	Tool #	Plan Code	Accept Qty	Reject Qty	Reject Number	Insp. Stamp
120	Packaging	0.00							
<b>*120*</b>									
Packaging	Memo	0.00							
Packaging	Identify and pack for shipping as per PPP D412-769-041								
	Location: _____								
	PPP Rev: _____								
130	QC21- Final Inspection - Work Order Release	0.00							
<b>*130*</b>									
QC	Memo	0.00							
Quality Control									

PPP 85275

DAS  
06  
09

13/4/12

13/4/10

1304-10

W/O:		WORK ORDER CHANGES					
DATE	STEP	PROCEDURE CHANGE	By	Date	Qty	Approval Chief Eng / Prod Mgr	Approval QC Inspector

Part No: \_\_\_\_\_ PAR #: \_\_\_\_\_ Fault Category: \_\_\_\_\_ NCR: Yes No DQA: \_\_\_\_\_ Date: \_\_\_\_\_

Resolution: \_\_\_\_\_ Disposition: \_\_\_\_\_ QA: N/C Closed: \_\_\_\_\_ Date: \_\_\_\_\_

NCR:		WORK ORDER NON-CONFORMANCE (NCR)						
DATE	STEP	Description of NC Section A	Corrective Action Section B			Verification Section C	Approval Chief Eng	Approval QC Inspector
			Initial Chief Eng	Action Description Chief Eng	Sign & Date			

**NOTE:** Date & initial all entries

## • Picklist Print

June-05-12 10:53:58 AM

Page 1

**Work Order ID:** 85275

**\*85275\***

**Parent Item:** D412-769-041

**\*D412-769-041\***

**Parent Item Name:** Aft Facing Seat, LH

**Start Date:** 05/06/2012

**Required Date:** 19/06/2012

**Start Qty: 1.00**

**Required Qty: 1.00**

**Comments:** IPP rev A 08-07-17 new issue DD verified by:EC  
10.03.23 as per IIN revC DD verified by:EC

IPP Rev:B

Component Item ID/ Item Name	Replacement Item ID	Mfg/ Purch	Bin Item	Primary Location	Last Location	Route Seq ID	Unit of Measure	Qty on Hand	Qty per Kit	Total Qty	Qty Issued	Date Issued	Status
D412-724-041 <del>*D412-724-041*</del> Head Rest Assembly, Center	Smd	Manufactured	No			110	Each	0.0000	0 **	1	87699		
D412-724-043 <del>*D412-724-043*</del> Head Rest Assembly, LH	Smd	Manufactured	No			110	Each	0.0000	0 **	1	87243	SY	
D412-769-043 <del>*D412-769-043*</del> Aft Facing Seat Assembly, LH	Smd	Manufactured	No			110	Each	0.0000	0 **		87107		

W/O:		WORK ORDER CHANGES					
DATE	STEP	PROCEDURE CHANGE	By	Date	Qty	Approval Chief Eng / Prod Mgr	Approval QC Inspector

Part No: \_\_\_\_\_ PAR #: \_\_\_\_\_ Fault Category: \_\_\_\_\_ NCR: Yes No DQA: \_\_\_\_\_ Date: \_\_\_\_\_

Resolution: \_\_\_\_\_ Disposition: \_\_\_\_\_ QA: N/C Closed: \_\_\_\_\_ Date: \_\_\_\_\_

NCR:		WORK ORDER NON-CONFORMANCE (NCR)						
DATE	STEP	Description of NC Section A	Corrective Action Section B			Verification Section C	Approval Chief Eng	Approval QC Inspector
			Initial Chief Eng	Action Description Chief Eng	Sign & Date			

**NOTE:** Date & initial all entries

# DART SERVICE INSTRUCTION

TO AMEND INSTALLATION INSTRUCTIONS IIN-D412-769 REV. C AND  
INSTRUCTIONS FOR CONTINUED AIRWORTHINESS ICA-D412-769 REV. 1

REF. TCCA STC: SH08-38  
REF. FAA STC: SR02682NY  
REF. EASA STC: 10027063

## PURPOSE

The purpose of this DSI (Dart Service Instruction) is to inform customers and operators that qty(2) D4679-1 Spacers were added to D412-769-011 Aft Facing Seat Kit and D412-769-041/-042 Aft Facing Seat, LH/RH at CHG 002 or later. This change also affects the hardware as shown in Figure 1 of this service instruction.

## CHANGE

For replacement parts for D412-769-011/-041/-042 at CHG 002 or later, the parts list of ICA-D412-769 is updated as follows:

### 25.9 Parts List (ICA-D412-769)

Qty -011	Qty -041	Qty -042	Part Number	Description
X			D412-769-011	AFT FACING SEAT KIT
1	X		D412-769-041	AFT FACING SEAT, LH
1		X	D412-769-042	AFT FACING SEAT, RH
	1		D412-769-043	AFT FACING SEAT ASSEMBLY, LH
		1	D412-769-044	AFT FACING SEAT ASSEMBLY, RH
	2	2	D4679-1	SPACER (ADD)
	11	11	AN525-10R22	SCREW (WAS QTY 13)
	2	2	AN525-10R28	SCREW (ADD)
	11	11	NAS1149D0332J	WASHER (WAS QTY 13)
	23	23	NAS1149D0363J	WASHER (WAS QTY 21)

NOTE: . PART INCLUDED WITH ASSEMBLY ABOVE

## WEIGHT AND BALANCE




Not affected.

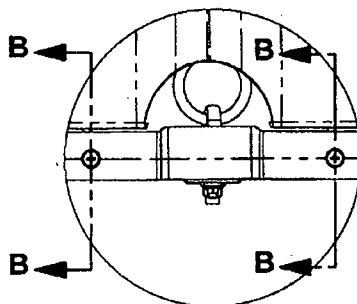
CANADA  
DEPARTMENT OF TRANSPORT  
AIRCRAFT CERTIFICATION  
BRANCH  
DAO #01-O-01

APPROVED

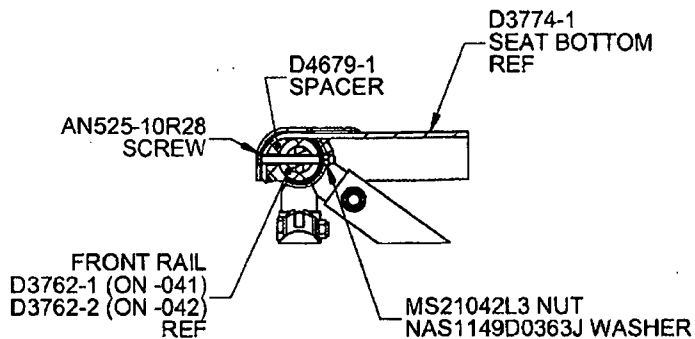
BY:   
D. SHEPHERD (DE #02)

DATE: 12.07.10  
CERT. NO.: SH08-38  
ISSUE NO.: 2

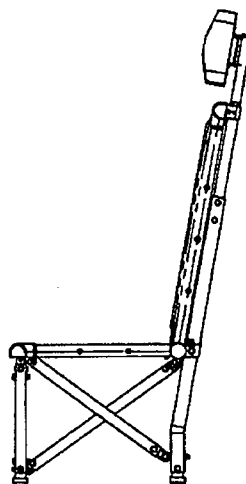
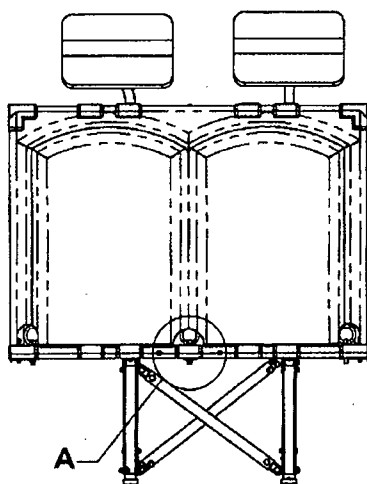
A	NEW ISSUE	MB	12.07.10
REV.	DESCRIPTION	BY	DATE
DESIGN	  	DART AEROSPACE LTD	
DRAWN		HAWKESBURY, ONTARIO, CANADA	
CHECKED		DRAWING NO.	REV. A
MFG. APPR.		DSI 9625	SHEET 1 OF 2
APPROVED		TITLE	SCALE
DE APPR.	SPACER ADDITION	NTS	
DATE	12.07.10	COPYRIGHT © 2012 BY DART AEROSPACE LTD THIS DOCUMENT IS PRIVATE AND CONFIDENTIAL AND IS SUPPLIED ON THE EXPRESS CONDITION THAT IT IS NOT TO BE USED FOR ANY PURPOSE OR COPIED OR COMMUNICATED TO ANY OTHER PERSON WITHOUT WRITTEN PERMISSION FROM DART AEROSPACE LTD.	



**DETAIL A**  
Scale 4X



**SECTION B-B**









**Figure 1: Addition of D4679-1 Spacer**  
(D412-769-041 shown, D412-769-042 similar)

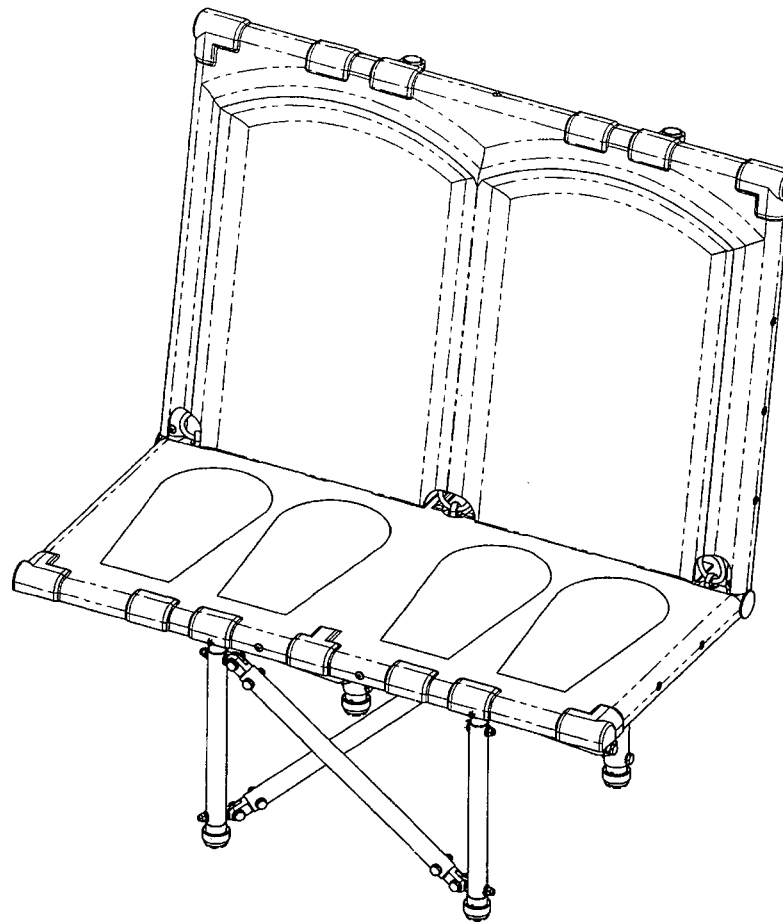
CANADA  
DEPARTMENT OF TRANSPORT  
AIRCRAFT CERTIFICATION  
BRANCH  
DAO # 01-O-01

APPROVED  
BY: *[Signature]*  
D. SHEPHERD (DE # 02)

DATE: 12.07.10  
CERT. NO.: SH08-38  
ISSUE NO.: 2

DESIGN		<b>DART AEROSPACE LTD</b>	
DRAWN		HAWKESBURY, ONTARIO, CANADA	
CHECKED		DRAWING NO.	REV. A
MFG. APPR.		DSI 9625	SHEET 2 OF 2
APPROVED		TITLE	SCALE
DE APPR.		SPACER ADDITION	NTS
DATE	12-07-10	COPYRIGHT © 2012 BY DART AEROSPACE LTD	
THIS DOCUMENT IS PRIVATE AND CONFIDENTIAL AND IS SUPPLIED ON THE EXPRESS CONDITION THAT IT IS NOT TO BE USED FOR ANY PURPOSE OR COPIED OR COMMUNICATED TO ANY OTHER PERSON WITHOUT WRITTEN PERMISSION FROM DART AEROSPACE LTD.			



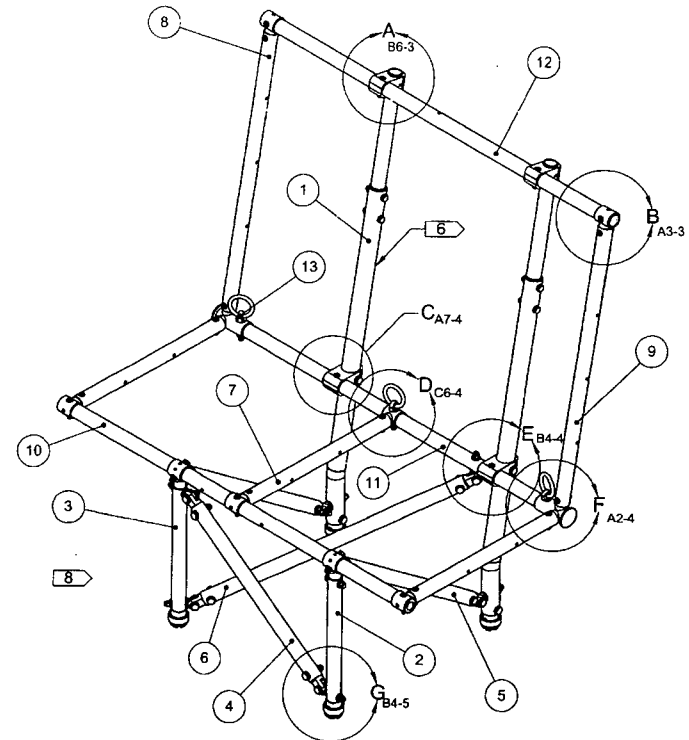


**D412-769-043 AFT FACING SEAT ASSY, LH**

**RELEASED**  
08.07.09

B	NEW HARDWARE	HS	08.06.25
A	NEW ISSUE	HS	08.06.04
REV.	DESCRIPTION	BY	DATE
DESIGN	HS	<b>DART AEROSPACE LTD</b> HAWKESBURY, ONTARIO, CANADA	
DRAWN	HS		
CHECKED	PA	DRAWING NO.	REV. B
MFG. APPR.	PA	D412-769-1	SHEET 1 OF 7
APPROVED	MP	TITLE	SCALE
DE APPR.	MP	AFT FACING SEAT ASSY, LH	NTS
DATE	08.06.25	<small>COPYRIGHT © 2008 BY DART AEROSPACE LTD THIS DOCUMENT IS PRIVATE AND CONFIDENTIAL, AND IS SUPPLIED ON THE EXPRESS CONDITION THAT IT IS NOT TO BE USED FOR ANY PURPOSE OR COMMUNICATED TO ANY OTHER PERSON WITHOUT WRITTEN PERMISSION FROM DART AEROSPACE LTD.</small>	

ITEM NO.	PART NUMBER	DESCRIPTION	QTY. (-043)
1	D3782-045	BACK LEG ASSY	2
2	D3782-041	FRONT INBOARD LEG ASSY	1
3	D3782-043	FRONT OUTBOARD LEG ASSY, LH	1
4	D3783-041	LATERAL BRACE ASSY	1
5	D3783-043	LONGITUDINAL BRACE ASSY	2
6	D3783-045	ANGLE BRACE ASSY	1
7	D3784-041	SEAT SUPPORT ASSY	1
8	D3784-043	SEAT SUPPORT ASSY, LH	1
9	D3784-044	SEAT SUPPORT ASSY, RH	1
10	D3766-1	FRONT RAIL, LH	1
11	D3766-3	REAR RAIL	1
12	D3767-1	UPPER RAIL	1
13	D3792-1	SEAT BELT EYE BOLT	3
14	D3775-1	GUARD	2
15	D3774-1	SEAT BOTTOM	1
16	D3774-3	SEAT BACK	1
17	AN3-5A	BOLT	6
18	AN4-15A	BOLT	2
19	AN45-13A	EYE BOLT	1
20	AN5-10A	BOLT	6
21	AN5-13A	BOLT	2
22	AN525-10R22	SCREW	13
23	AN525-10R24	SCREW	9
24	MS21042L3	NUT	28
25	MS21042L4	NUT	2
26	MS21042L5	NUT	12
27	NAS1149D0332J	WASHER (AN960JD10L)	13
28	NAS1149D0363J	WASHER (AN960JD10)	21
29	NAS1149D0463J	WASHER (AN960JD416)	4
30	NAS1149D0568J	WASHER (AN960JD516)	20



D412-769-043 AFT FACING SEAT ASSY, LH

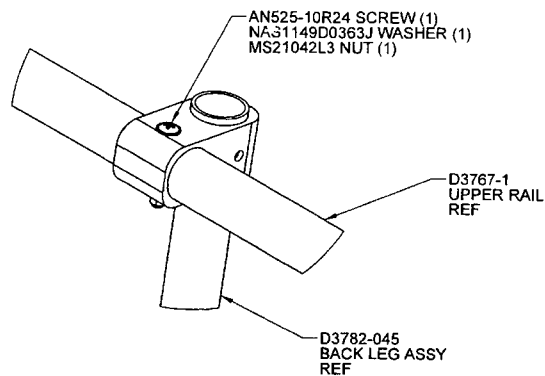
RELEASED  
08-07-09/10

NOTES:

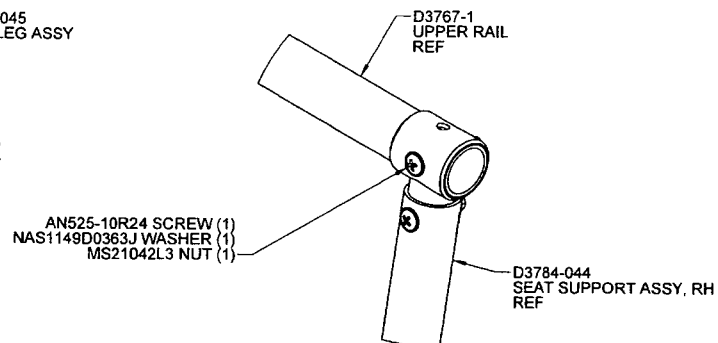
- 1) MATERIAL: N/A
- 2) FINISH: POWDER COAT ASSEMBLED SEAT "GREY SANDEX" (4.3.5.6) PER DART QSI 005 4.3 PRIOR TO INSTALLATION OF SEAT BOTTOM/BACK (D3774-1/-3). MASK FRONT LEGS PRIOR TO POWDER COAT.
- 3) TOLERANCES: PER DART QSI 018 UNLESS OTHERWISE NOTED
- 4) UNITS: INCHES UNLESS OTHERWISE NOTED
- 5) BREAK SHARP EDGES: 0.005 TO 0.010 MAX
- 6) IDENTIFICATION: IDENTIFY WITH D2729-1 RED DECAL ATTACHED TO BACK LEG ASSEMBLY (D3782-045)
- 7) WEIGHT: 30.0 lbs
- 8) ITEM 15 (D3774-1 SEAT BOTTOM) AND ITEM 16 (D3774-3 SEAT BACK) REMOVED FOR CLARITY

DESIGN	HS	<b>DART AEROSPACE LTD</b> HAWKESBURY, ONTARIO, CANADA	
DRAWN	HS	DRAWING NO.	REV. B
CHECKED		D412-769-1	SHEET 2 OF 7
MFG. APPR.		TITLE	SCALE
APPROVED		AFT FACING SEAT ASSY, LH	NTS
DE APPR.		COPYRIGHT © 2008 BY DART AEROSPACE LTD THIS DOCUMENT IS PRIVATE AND CONFIDENTIAL AND IS SUPPLIED ON THE EXPRESS CONDITION THAT IT IS NOT TO BE USED FOR ANY PURPOSE OR COPIED OR COMMUNICATED TO ANY OTHER PERSON WITHOUT WRITTEN PERMISSION FROM DART AEROSPACE LTD.	
DATE	08.06.25		

**DETAIL A** D2-2  
**UPPER RAIL TO BACK LEG ATTACHMENT**  
 2 PL



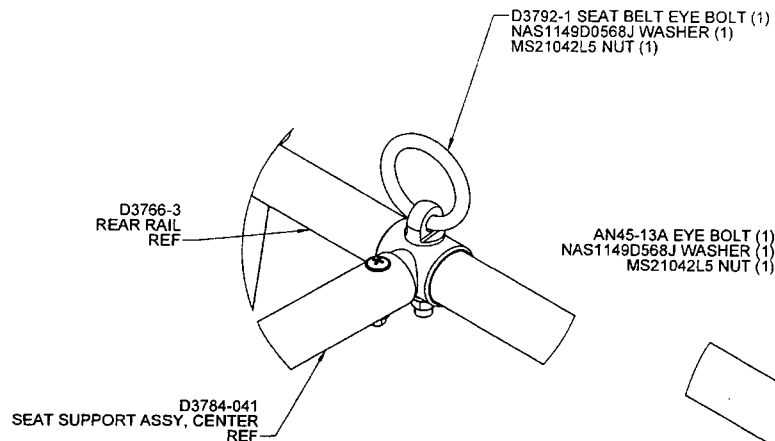
**DETAIL B** C1-2  
**SEAT SUPPORT END ATTACHMENT**  
 5 PL



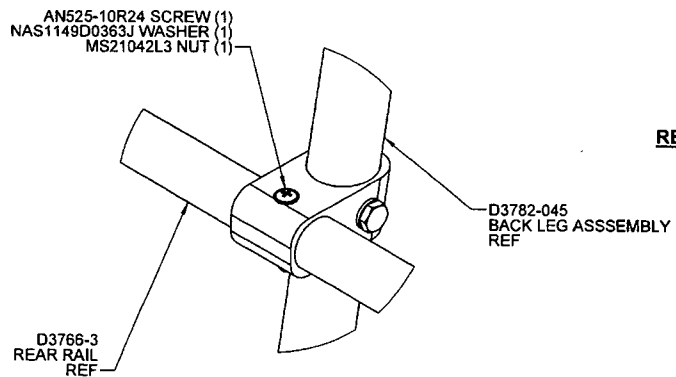
**RELEASED**  
 09.07.09.11

DESIGN	HS	<b>DART AEROSPACE LTD</b> HAWKESBURY, ONTARIO, CANADA	
DRAWN	HS		
CHECKED		DRAWING NO.	REV. B
MFG. APPR.		D412-769-1	SHEET 3 OF 7
APPROVED		TITLE	SCALE
DE APPR.		AFT FACING SEAT ASSY, LH	NTS
DATE	08.06.25	<small>COPYRIGHT © 2008 BY DART AEROSPACE LTD          THIS DOCUMENT IS PRIVATE AND CONFIDENTIAL AND IS SUPPLIED ON THE EXPRESS CONDITION THAT IT IS          NOT TO BE USED FOR ANY PURPOSE OR COPIED OR COMMUNICATED TO ANY OTHER PERSON WITHOUT          WRITTEN PERMISSION FROM DART AEROSPACE LTD.</small>	

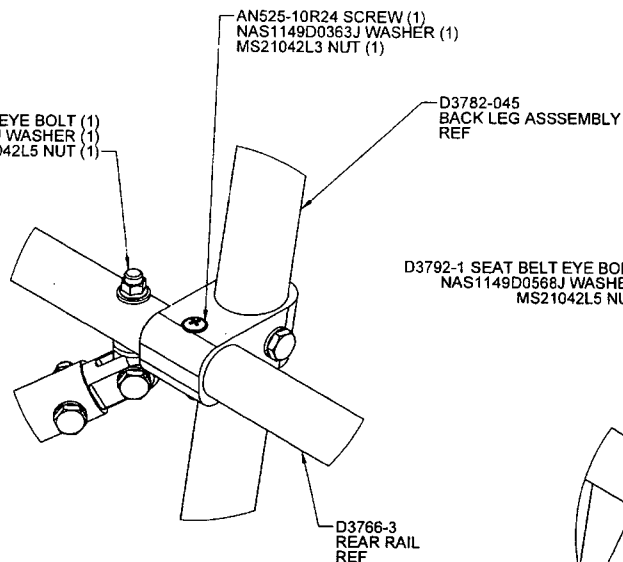
8 7 6 5 4 3 2 1



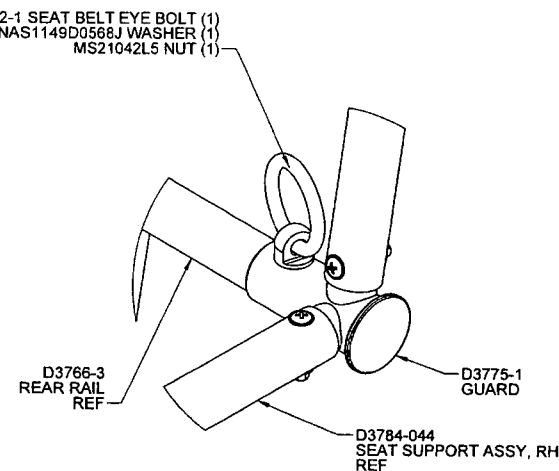
**DETAIL D** C2-2  
**SEAT SUPPORT ASSY, CENTER ATTACHMENT**



**DETAIL C** C2-2  
**REAR RAIL TO BACK LEG ATTACHMENT**



**DETAIL E** C1-2  
**REAR RAIL TO BACK LEG ATTACHMENT**

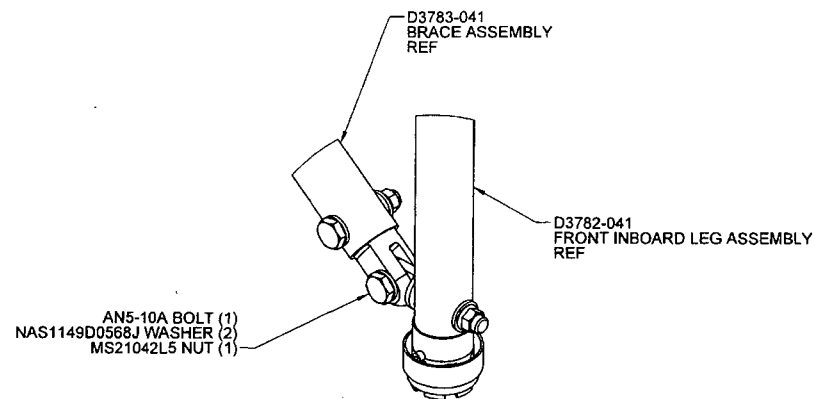


**DETAIL F** B1-2  
**SEAT SUPPORT ATTACHMENT**  
2 PL

**RELEASED**  
08-07-09 11:00

DESIGN	HS	<b>DART AEROSPACE LTD</b>	
DRAWN	HS	HAWKESBURY, ONTARIO, CANADA	
CHECKED	HS	DRAWING NO.	REV. B
MFG. APPR.	HS	D412-769-1	SHEET 4 OF 7
APPROVED	HS	TITLE	SCALE
DE APPR.	HS	AFT FACING SEAT ASSY, LH	NTS
DATE	08.06.25	<small>COPYRIGHT © 2008 BY DART AEROSPACE LTD THIS DOCUMENT IS PRIVATE AND CONFIDENTIAL. AND IS SUPPLIED ON THE EXPRESS CONDITION THAT IT IS NOT TO BE LOANED FOR ANY PURPOSE OR COMMUNICATED TO ANY OTHER PERSON WITHOUT WRITTEN PERMISSION FROM DART AEROSPACE LTD.</small>	

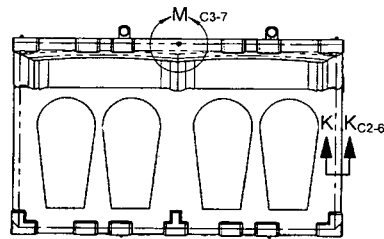
8 7 6 5 4 3 2 1



**DETAIL G<sub>B2-2</sub>**  
**BRACE ATTACHMENT**  
 6 PL

**RELEASED**  
 08.07.07/11/1

DESIGN	HS	<b>DART AEROSPACE LTD</b> HAWKESBURY, ONTARIO, CANADA	
DRAWN	HS		
CHECKED	AS	DRAWING NO.	REV. B
MFG. APPR.	AS	D412-769-1	SHEET 5 OF 7
APPROVED	AS	TITLE	SCALE
DE APPR.	AS	AFT FACING SEAT ASSY, LH	NTS
DATE	08.06.25	COPYRIGHT © 2001 BY DART AEROSPACE LTD THIS DOCUMENT IS PRIVATE AND CONFIDENTIAL AND IS SUPPLIED ON THE EXPRESS CONDITION THAT IT IS NOT TO BE USED FOR ANY PURPOSE OR COMMUNICATED TO ANY OTHER PERSON WITHOUT WRITTEN PERMISSION FROM DART AEROSPACE LTD.	



AN525-10R22 SCREW (1)  
NAS1149D0332J WASHER (1)  
MS21042L3 NUT (1)  
3 PL PER SIDE

D3784-044  
SEAT SUPPORT, RH  
REF

1

D3774-3  
SEAT BACK  
REF

**SECTION H-H**  
B7-6

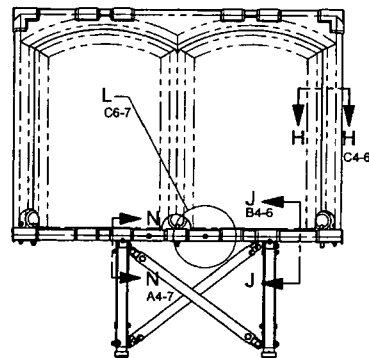
AN525-10R22 SCREW (1)  
NAS1149D0332J WASHER (1)  
MS21042L3 NUT (1)  
2 PL PER SIDE

D3774-1  
SEAT BOTTOM  
REF

2

D3784-044  
SEAT SUPPORT, RH  
REF

**SECTION K-K**  
D7-6



D3766-1  
FRONT RAIL  
REF

**SECTION J-J**  
A7-6

D3774-3  
SEAT BACK  
REF

D3774-1  
SEAT BOTTOM  
REF

3

D3766-3  
REAR RAIL  
REF

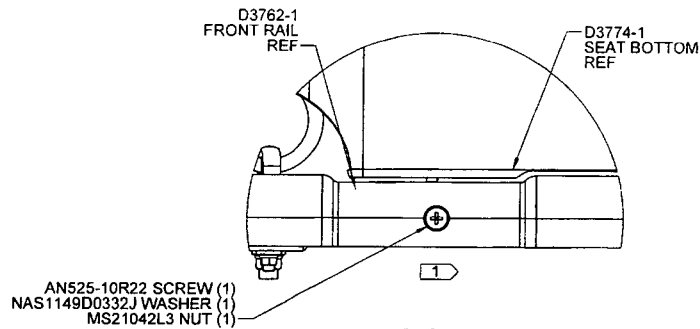
AN3-5A BOLT (1)  
NAS1149D0363J WASHER (2)  
MS21042L3 NUT (1)  
6 PL

**RELEASED**  
08-07-2008

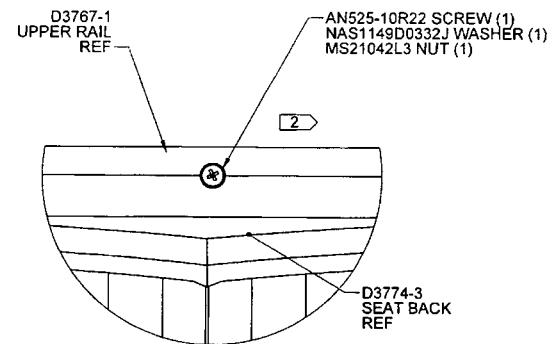
**NOTES:**

- 1) TRANSFER DRILL  $\varnothing 0.201$  FROM SEAT SUPPORTS (D3784-043/-044) TO SEAT BACK (D3774-3) - 3 PL/SIDE
- 2) TRANSFER DRILL  $\varnothing 0.201$  FROM SEAT SUPPORTS (D3784-043/-044) TO SEAT BOTTOM (D3774-1) - 2 PL/SIDE
- 3) TRANSFER DRILL  $\varnothing 0.201$  FROM SEAT BOTTOM (D3774-1) TO SEAT BACK (D3774-3) - 6 PL

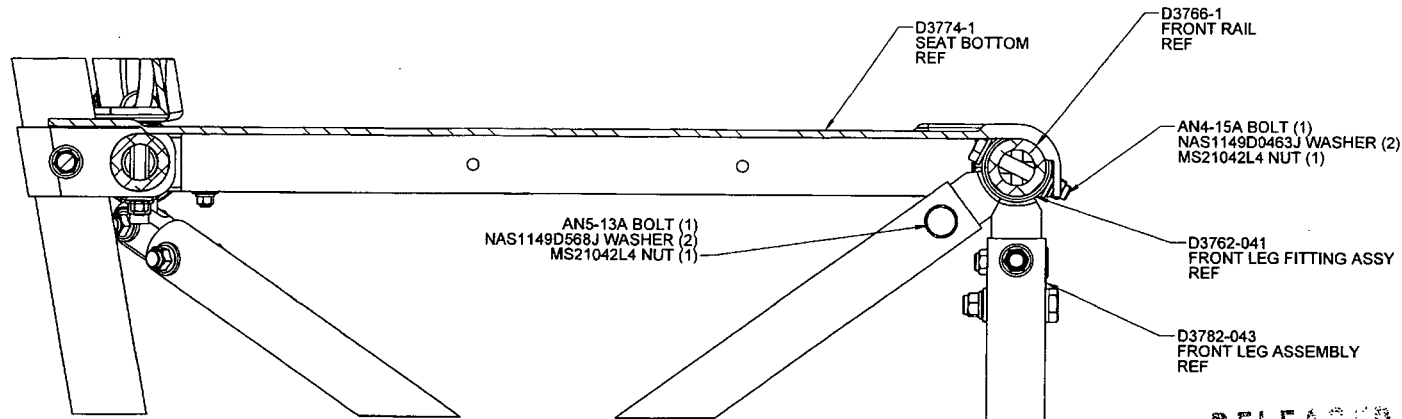
DESIGN	HS	<b>DART AEROSPACE LTD</b>	
DRAWN	HS	HAWKESBURY, ONTARIO, CANADA	
CHECKED	HS	DRAWING NO.	REV. B
MFG. APPR.	HS	<b>D412-769-1</b>	SHEET 6 OF 7
APPROVED	HS	TITLE	SCALE
DE APPR.	HS	<b>AFT FACING SEAT ASSY, LH</b>	NTS
DATE	08.06.25	<small>COPYRIGHT © 2008 BY DART AEROSPACE LTD THIS DOCUMENT IS PRIVATE AND CONFIDENTIAL AND IS SUPPLIED ON THE EXPRESS CONDITION THAT IT IS NOT TO BE USED FOR ANY PURPOSE OR COMMUNICATED TO ANY OTHER PERSON WITHOUT WRITTEN PERMISSION FROM DART AEROSPACE LTD.</small>	



**DETAIL L** A7-6  
**SEAT BOTTOM ATTACH - FRONT DETAIL**  
2 PL






**DETAIL M** D7-6  
**SEAT BACK ATTACH - TOP DETAIL**



**SECTION N-N** A8-6  
**FRONT LEG AND LONGITUDINAL ANGLE ATTACHMENT**  
2 PL

**NOTES:**

- 1) TRANSFER DRILL  $\phi 0.201$  FROM FRONT RAIL (D3766-1) TO SEAT BOTTOM (D3774-1) - 2 PL
- 2) TRANSFER DRILL  $\phi 0.201$  FROM UPPER RAIL (D3767-1) TO SEAT BACK (D3774-3) - 1 PL

DESIGN	HS	<b>DART AEROSPACE LTD</b>	
DRAWN	HS	HAWKESBURY, ONTARIO, CANADA	
CHECKED		DRAWING NO.	REV. B
MFG. APPR.		<b>D412-769-1</b>	SHEET 7 OF 7
APPROVED		TITLE	SCALE
DE APPR.		<b>AFT FACING SEAT ASSY, LH</b>	NTS
DATE	<b>08.06.25</b>	<b>COPYRIGHT © 2008 BY DART AEROSPACE LTD</b>	
<small>THIS DOCUMENT IS PRIVATE AND CONFIDENTIAL AND IS SUPPLIED ON THE EXPRESS CONDITION THAT IT IS NOT TO BE USED FOR ANY PURPOSE OR COMMUNICATED TO ANY OTHER PERSON WITHOUT WRITTEN PERMISSION FROM DART AEROSPACE LTD.</small>			

RELEASED  
08-07-2010

DRAWING NO. <b>D412-769-1</b>	TITLE <b>AFT FACING SEAT ASSY, LH</b>	REV. B	<b>DART AEROSPACE LTD ENGINEERING ORDER</b>	D.E.O. NO. <b>D412-769-1-B-1</b>	SHEET NO. SHEET 1 OF 2	SCALE NTS
DRAWN <i>[Signature]</i>	CHECKED <i>UP</i>	MFG. APPR. <i>[Signature]</i>	APPROVED <i>[Signature]</i>	DE APPR. <i>[Signature]</i>		
DATE <b>12.07.09</b>	DATE <b>12/7/10</b>	DATE <b>12.07.10</b>	DATE <b>12.07.10</b>	DATE <b>12.07.10</b>		

**PURPOSE:**

ADDITION OF QTY(2) D4679-1 SPACER PER PAR12-207.

**CHANGE:**

PARTS LIST IS AMENDED AS FOLLOWS:

PART NUMBER	DESCRIPTION	QTY. (-043)
D3782-045	BACK LEG ASSY	2
D3782-041	FRONT INBOARD LEG ASSY	1
D3782-043	FRONT OUTBOARD LEG ASSY, LH	1
D3783-041	LATERAL BRACE ASSY	1
D3783-043	LONGITUDINAL BRACE ASSY	2
D3783-045	ANGLE BRACE ASSY	1
D3784-041	SEAT SUPPORT ASSY	1
D3784-043	SEAT SUPPORT ASSY, LH	1
D3784-044	SEAT SUPPORT ASSY, RH	1
D3766-1	FRONT RAIL, LH	1
D3766-3	REAR RAIL	1
D3767-1	UPPER RAIL	1
D3792-1	SEAT BELT EYE BOLT	3
D3775-1	GUARD	2
D3774-1	SEAT BOTTOM	1
D3774-3	SEAT BACK	1
D4679-1	SPACER	2
AN3-5A	BOLT	6
AN4-15A	BOLT	2
AN45-13A	EYE BOLT	1
AN5-10A	BOLT	6
AN5-13A	BOLT	2
AN525-10R22	SCREW	11
AN525-10R24	SCREW	9
AN525-10R28	SCREW	2
MS21042L3	NUT	28
MS21042L4	NUT	2
MS21042L5	NUT	12
NAS1149D0332J	WASHER (AN960JD10L)	11
NAS1149D0363J	WASHER (AN960JD10)	23
NAS1149D0463J	WASHER (AN960JD416)	4
NAS1149D0568J	WASHER (AN960JD516)	20

NEW

QTY WAS 13

NEW

QTY WAS 13

QTY WAS 21

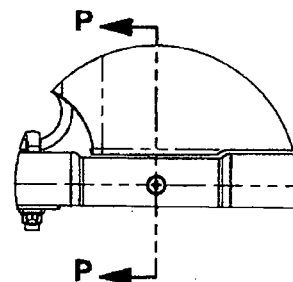
**RELEASED**  
2012-07-16  
*[Signature]*

COPYRIGHT © 2012 BY DART AEROSPACE LTD  
THIS DOCUMENT IS PRIVATE AND CONFIDENTIAL AND IS SUPPLIED ON THE EXPRESS CONDITION THAT IT IS  
NOT TO BE USED FOR ANY PURPOSE OR COPIED OR COMMUNICATED TO ANY OTHER PERSON WITHOUT  
WRITTEN PERMISSION FROM DART AEROSPACE LTD.



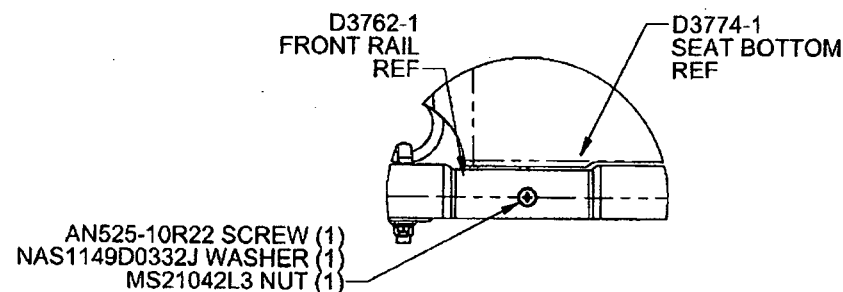
DRAWING NO. <b>D412-769-1</b>	TITLE <b>AFT FACING SEAT ASSY, LH</b>	REV. B	<b>DART AEROSPACE LTD ENGINEERING ORDER</b>	D.E.O. NO. <b>D412-769-1-B-1</b>	SHEET NO. SHEET 2 OF 2	SCALE NTS
DRAWN	CHECKED <i>UP</i>	MFG. APPR. <i>[Signature]</i>	APPROVED <i>[Signature]</i>	DE APPR. <i>[Signature]</i>		
DATE <b>12.07.09</b>	DATE <b>12/7/10</b>	DATE <b>12-07-10</b>	DATE <b>12.07.10</b>	DATE <b>12.07.10</b>		

IS:

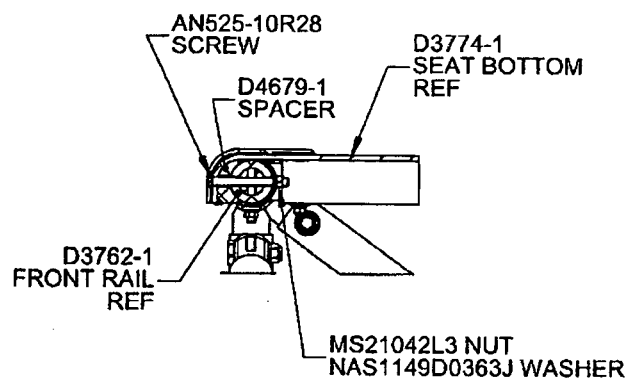


**DETAIL L**  
**SEAT BOTTOM ATTACH - FRONT DETAIL**  
2 PL

WAS:

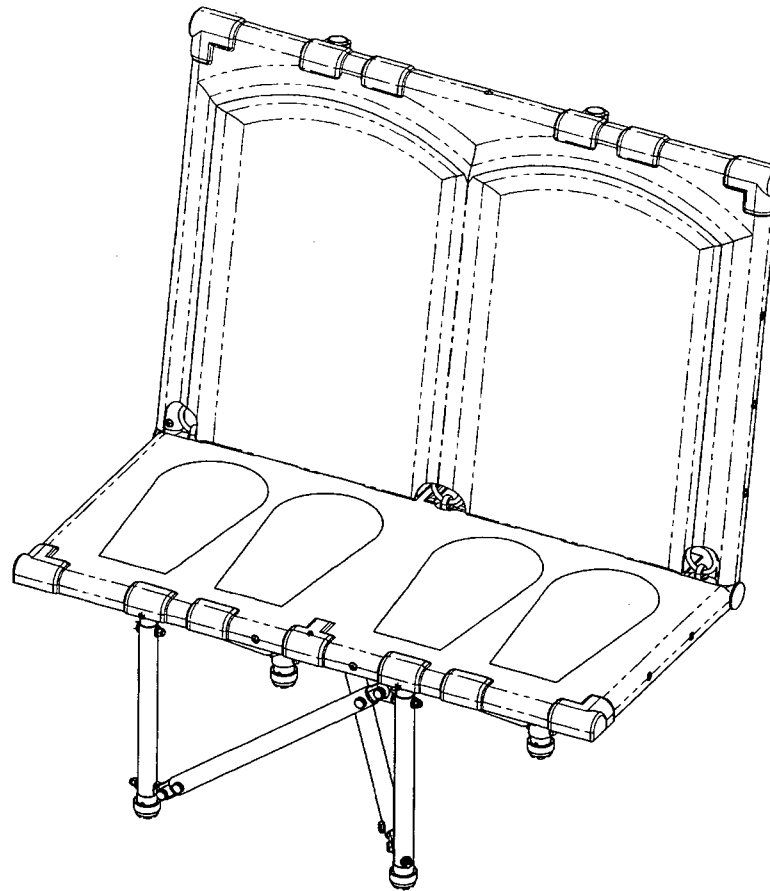


**DETAIL L**  
**SEAT BOTTOM ATTACH - FRONT DETAIL**  
2 PL



**SECTION P-P**  
**INSTALLATION OF D4679-1 SPACER**  
2 PL

**RELEASED**  
2012-07-16  
*[Signature]*

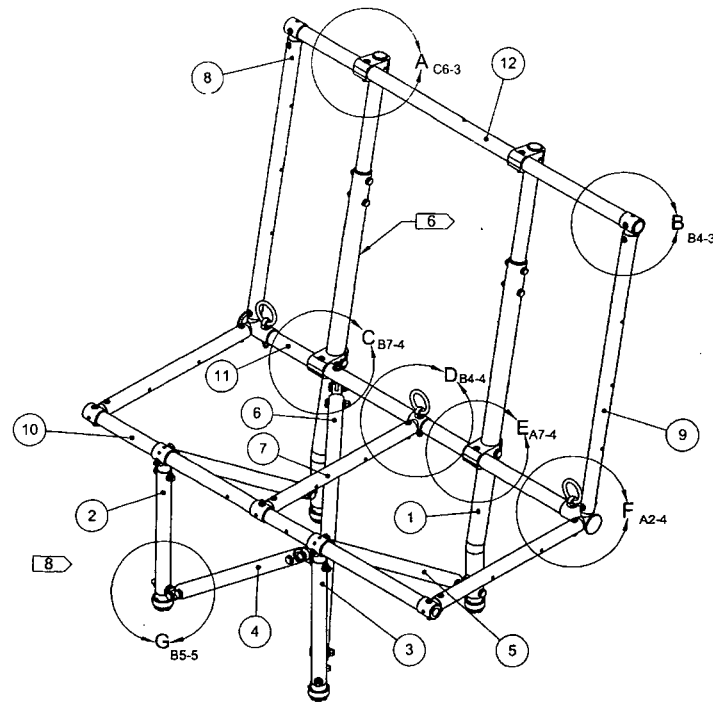


**D412-769-044 AFT FACING SEAT, RH**

RELEASE  
08.07.10/MP

B	NEW HARDWARE	HS	08.06.25
A	NEW ISSUE	HS	08.06.04
REV.	DESCRIPTION	BY	DATE
DESIGN	HS	<b>DART AEROSPACE LTD</b> HAWKESBURY, ONTARIO, CANADA DRAWING NO. <b>D412-769-2</b> REV. B SHEET 1 OF 7 TITLE <b>AFT FACING SEAT ASSY, RH</b> SCALE NTS COPYRIGHT © 2008 BY DART AEROSPACE LTD <small>THIS DOCUMENT IS PRIVATE AND CONFIDENTIAL, AND IS SUPPLIED ON THE EXPRESS CONDITION THAT IT IS NOT TO BE USED FOR ANY PURPOSE OR COMMUNICATED TO ANY OTHER PERSON WITHOUT WRITTEN PERMISSION FROM DART AEROSPACE LTD.</small>	
DRAWN	HS		
CHECKED	<i>[Signature]</i>		
MFG. APPR.	<i>[Signature]</i>		
APPROVED	<i>[Signature]</i>		
DE APPR.	<i>[Signature]</i>		
DATE	08.06.25		

ITEM NO.	PART NUMBER	DESCRIPTION	QTY. (-044)
1	D3782-045	BACK LEG ASSY	2
2	D3782-041	FRONT INBOARD LEG ASSY	1
3	D3782-044	FRONT OUTBOARD LEG ASSY, RH	1
4	D3783-041	LATERAL BRACE ASSY	1
5	D3783-043	LONGITUDINAL BRACE ASSY	2
6	D3783-045	ANGLE BRACE ASSY	1
7	D3784-041	SEAT SUPPORT ASSY	1
8	D3784-043	SEAT SUPPORT ASSY, LH	1
9	D3784-044	SEAT SUPPORT ASSY, RH	1
10	D3766-2	FRONT RAIL, RH	1
11	D3766-3	REAR RAIL	1
12	D3767-1	UPPER RAIL	1
13	D3792-1	SEAT BELT EYE BOLT	3
14	D3775-1	GUARD	2
15	D3774-1	SEAT BOTTOM	1
16	D3774-3	SEAT BACK	1
17	AN3-5A	BOLT	6
18	AN4-15A	BOLT	2
19	AN45-13A	EYE BOLT	1
20	AN5-10A	BOLT	6
21	AN5-13A	BOLT	2
22	AN525-10R22	SCREW	13
23	AN525-10R24	SCREW	9
24	MS21042L3	NUT	28
25	MS21042L4	NUT	2
26	MS21042L5	NUT	12
27	NAS1149D0332J	WASHER (AN960JD10L)	13
28	NAS1149D0363J	WASHER (AN960JD10)	21
29	NAS1149D0463J	WASHER (AN960JD416)	4
30	NAS1149D0568J	WASHER (AN960JD516)	20



**D412-769-044 AFT FACING SEAT, RH**

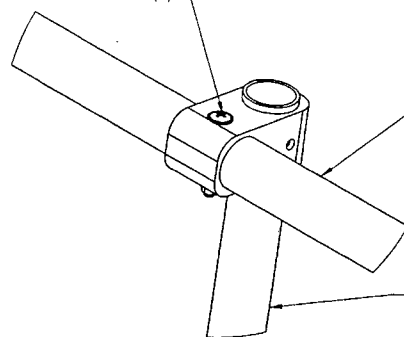
**RELEASED**  
08.07.10

**NOTES:**

- 1) MATERIAL: N/A
- 2) FINISH: POWDER COAT "GREY SANDEXT" (4.3.5.6) PER DART QSI 005 4.3 PRIOR TO INSTALLATION OF SEAT BOTTOM/BACK (D3774-1, -3). MASK FRONT LEGS PRIOR TO POWDER COAT
- 3) TOLERANCES: PER DART QSI 018 UNLESS OTHERWISE NOTED
- 4) UNITS: INCHES UNLESS OTHERWISE NOTED
- 5) BREAK SHARP EDGES: 0.005 TO 0.010 MAX
- 6) IDENTIFICATION: IDENTIFY WITH D2729-1 RED DECAL ATTACHED TO BACK LEG ASSEMBLY (D3782-045)
- 7) WEIGHT: 30.0 lbs
- 8) ITEM 15 (D3774-1 SEAT BOTTOM) AND ITEM 16 (D3774-3 SEAT BACK) REMOVED FOR CLARITY

DESIGN	HS	<b>DART AEROSPACE LTD</b>	
DRAWN	HS	HAWKESBURY, ONTARIO, CANADA	
CHECKED	<i>[Signature]</i>	DRAWING NO.	REV. B
MFG. APPR.	<i>[Signature]</i>	<b>D412-769-2</b>	SHEET 2 OF 7
APPROVED	<i>[Signature]</i>	TITLE	SCALE
DE APPR.	<i>[Signature]</i>	<b>AFT FACING SEAT ASSY, RH</b>	NTS
DATE	<b>08.06.25</b>	<small>COPYRIGHT © 2008 BY DART AEROSPACE LTD THIS DOCUMENT IS PRIVATE AND CONFIDENTIAL AND IS SUPPLIED ON THE EXPRESS CONDITION THAT IT IS NOT TO BE USED FOR ANY PURPOSE OR COPIED OR COMMUNICATED TO ANY OTHER PERSON WITHOUT WRITTEN PERMISSION FROM DART AEROSPACE LTD</small>	

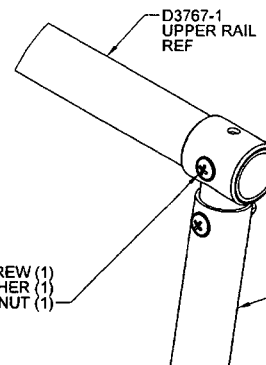
AN525-10R24 SCREW (1)  
NAS1149D0363J WASHER (1)  
MS21042L3 NUT (1)



D3767-1  
UPPER RAIL  
REF

D3782-045  
BACK LEG ASSY  
REF

**DETAIL A** D2-2  
**UPPER RAIL TO BACK LEG ATTACHMENT**  
2 PL



D3767-1  
UPPER RAIL  
REF

AN525-10R24 SCREW (1)  
NAS1149D0363J WASHER (1)  
MS21042L3 NUT (1)

D3784-044  
SEAT SUPPORT ASSY, RH  
REF

**DETAIL B** C1-2  
**SEAT SUPPORT END ATTACHMENT (TYP)**  
5 PL

RELEASED  
08-07-10/14

DESIGN	HS	<b>DART AEROSPACE LTD</b> HAWKESBURY, ONTARIO, CANADA	
DRAWN	HS		
CHECKED	PH	DRAWING NO.	REV. B
MFG. APPR.		D412-769-2	SHEET 3 OF 7
APPROVED		TITLE	SCALE
DE APPR.		AFT FACING SEAT ASSY, RH	NTS
DATE	08.06.25	COPYRIGHT © 2008 BY DART AEROSPACE LTD THIS DOCUMENT IS PRIVATE AND CONFIDENTIAL AND IS SUPPLIED ON THE EXPRESSED CONDITION THAT IT IS NOT TO BE USED FOR ANY PURPOSE OR COPIED OR COMMUNICATED TO ANY OTHER PERSON WITHOUT WRITTEN PERMISSION FROM DART AEROSPACE LTD	

D3782-045  
BACK LEG ASSY  
REF

AN45-13A EYE BOLT (1)  
NAS1149D0568J WASHER (1)  
MS21042L5 NUT (1)

D3766-3  
REAR RAIL  
REF

AN525-10R24 SCREW (1)  
NAS1149D0363J WASHER (1)  
MS21042L3 NUT (1)

**DETAIL C C2-2**  
**REAR RAIL TO BACK LEG ATTACHMENT**

AN525-10R24 SCREW (1)  
NAS1149D0363J WASHER (1)  
MS21042L3 NUT (1)

D3766-3  
REAR RAIL  
REF

D3782-045  
BACK LEG ASSY  
REF

**DETAIL E C2-2**  
**REAR RAIL TO BACK LEG ATTACHMENT**

D3784-041  
SEAT SUPPORT ASSY, CENTER  
REF

**DETAIL D C1-2**  
**SEAT SUPPORT ASSY, CENTER ATTACHMENT**

D3766-3  
REAR RAIL  
REF

D3792-1 SEAT BELT EYE BOLT (1)  
NAS1149D0568J WASHER (2)  
MS21042L5 NUT (1)

D3792-1 SEAT BELT EYE BOLT (1)  
NAS1149D0568J WASHER (2)  
MS21042L5 NUT (1)

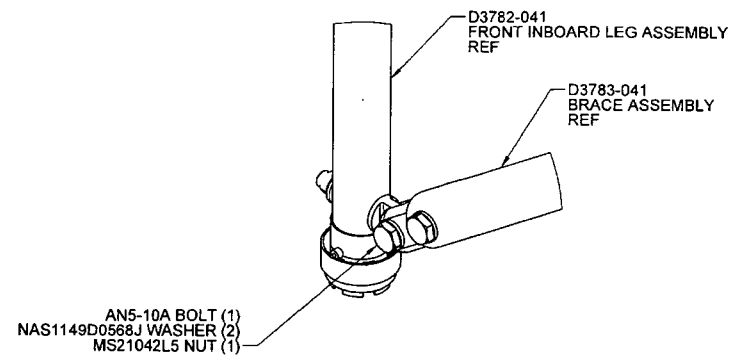
**RELEASED**  
08.07.12

D3775-1  
GUARD  
REF

D3784-044  
SEAT SUPPORT ASSY, RH  
REF

**DETAIL F B1-2**  
**SEAT SUPPORT ATTACHMENT**  
2 PL

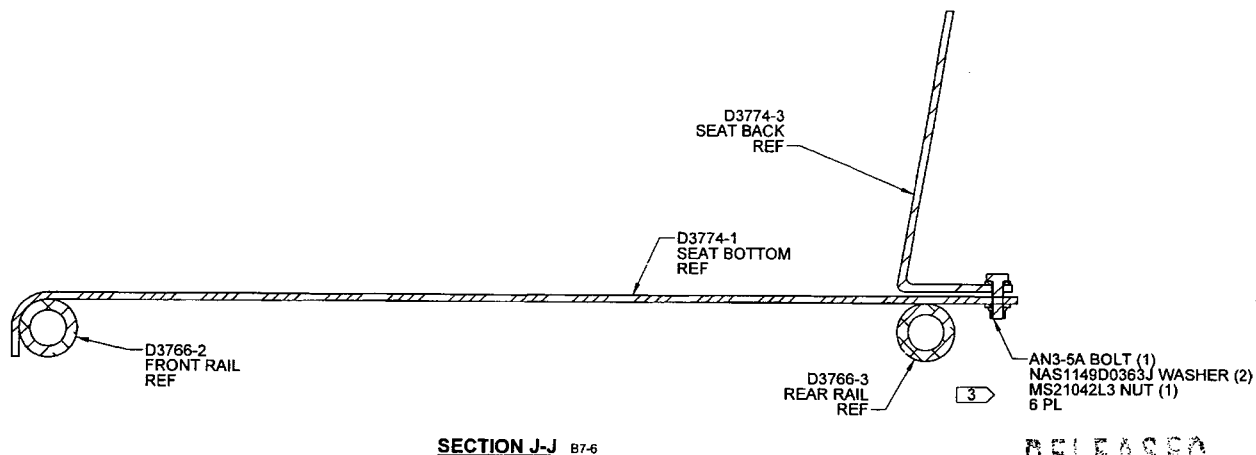
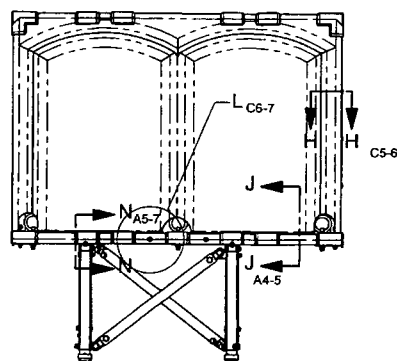
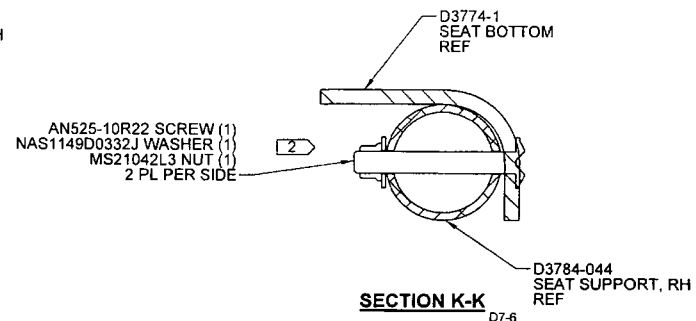
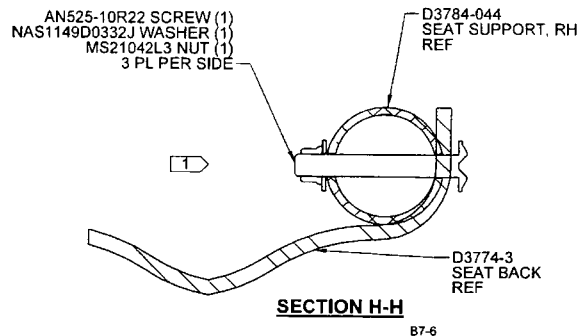
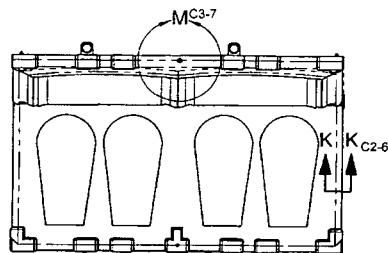
DESIGN	HS	<b>DART AEROSPACE LTD</b>	
DRAWN	HS	HAWKESBURY, ONTARIO, CANADA	
CHECKED		DRAWING NO.	REV. B
MFG. APPR.		D412-769-2	SHEET 4 OF 7
APPROVED		TITLE	SCALE
DE APPR.		AFT FACING SEAT ASSY, RH	NTS
DATE	08.06.25	<small>COPYRIGHT © 2008 BY DART AEROSPACE LTD THIS DOCUMENT IS PRIVATE AND CONFIDENTIAL AND IS SUPPLIED ON THE EXPRESS CONDITION THAT IT IS NOT TO BE USED FOR ANY PURPOSE OR COMMUNICATED TO ANY OTHER PERSON WITHOUT WRITTEN PERMISSION FROM DART AEROSPACE LTD.</small>	



**DETAIL G<sub>B3-2</sub>**  
**BRACE ATTACHMENT**  
6 PL

RELEASED  
08.07.10

DESIGN	HS	<b>DART AEROSPACE LTD</b>	
DRAWN	HS	HAWKESBURY, ONTARIO, CANADA	
CHECKED	<i>[Signature]</i>	DRAWING NO.	REV. B
MFG. APPR.	<i>[Signature]</i>	<b>D412-769-2</b>	SHEET 5 OF 7
APPROVED	<i>[Signature]</i>	TITLE	SCALE
DE APPR.	<i>[Signature]</i>	<b>AFT FACING SEAT ASSY, RH</b>	NTS
DATE	<b>08.06.25</b>	<small>COPYRIGHT © 2008 BY DART AEROSPACE LTD THIS DOCUMENT IS PRIVATE AND CONFIDENTIAL AND IS SUPPLIED ON THE EXPRESS CONDITION THAT IT IS NOT TO BE USED FOR ANY PURPOSE OR COPIED OR COMMUNICATED TO ANY OTHER PERSON WITHOUT WRITTEN PERMISSION FROM DART AEROSPACE LTD.</small>	

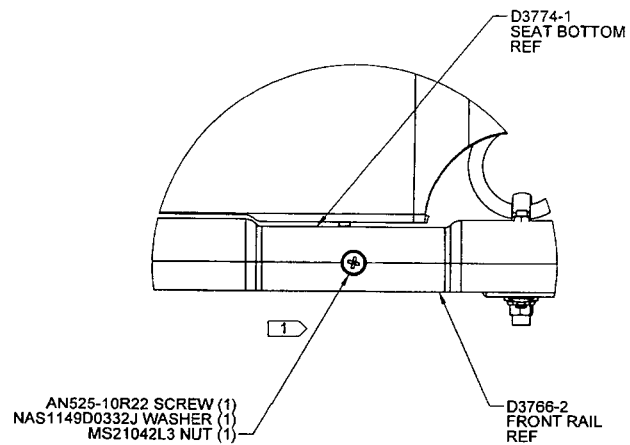


**NOTES:**

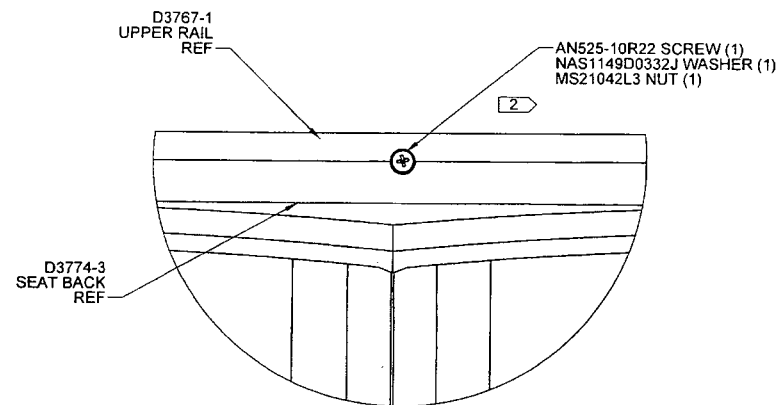
- 1) TRANSFER DRILL HOLES  $\varnothing 0.201$  FROM SEAT SUPPORTS (D3784-043/-044) TO SEAT BACK (D3774-3) - 3 PL/SIDE
- 2) TRANSFER DRILL HOLES  $\varnothing 0.201$  FROM SEAT SUPPORTS (D3784-043/-044) TO SEAT BOTTOM (D3774-1) - 2 PL/SIDE
- 3) TRANSFER DRILL HOLES  $\varnothing 0.201$  FROM SEAT BOTTOM (D3774-1) TO SEAT BACK (D3774-3) - 6 PL

RELEASED  
168-07-10/14

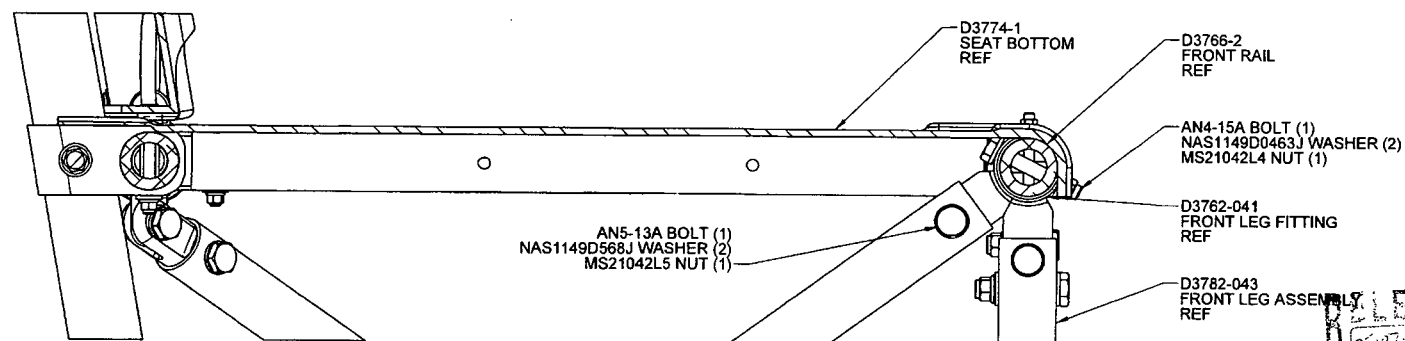
DESIGN	HS	<b>DART AEROSPACE LTD</b>	
DRAWN	HS	HAWKESBURY, ONTARIO, CANADA	
CHECKED	HS	DRAWING NO. <b>D412-769-2</b>	REV. B
MFG. APPR.	HS	SHEET 6 OF 7	
APPROVED	HS	TITLE	SCALE
DE APPR.	HS	<b>AFT FACING SEAT ASSY, RH</b>	NTS
DATE	08.06.25	<small>COPYRIGHT © 2008 BY DART AEROSPACE LTD THIS DOCUMENT IS PRIVATE AND CONFIDENTIAL AND IS SUPPLIED ON THE EXPRESS CONDITION THAT IT IS NOT TO BE USED FOR ANY PURPOSE OR COME IN COMMUNICATION TO ANY OTHER PERSON WITHOUT WRITTEN PERMISSION FROM DART AEROSPACE LTD.</small>	



**DETAIL L B7-6**  
**SEAT BOTTOM ATTACH - FRONT DETAIL**



**DETAIL M D7-6**  
**SEAT BACK ATTACH - TOP DETAIL**



**SECTION N-N B7-6**  
**FRONT LEG AND LONGITUDINAL ANGLE ATTACHMENT**

- NOTES:**  
1) TRANSFER DRILL HOLES  $\varnothing 0.201$  FROM FRONT RAIL (D3766-2) TO SEAT BOTTOM (D3774-1) - 2 PL  
2) TRANSFER DRILL HOLES  $\varnothing 0.201$  FROM UPPER RAIL (D3767-1) TO SEAT BACK (D3774-3) - 1 PL

DESIGN	HS	<b>DART AEROSPACE LTD</b> HAWKESBURY, ONTARIO, CANADA	
DRAWN	HS		
CHECKED		DRAWING NO.	REV. B
MFG. APPR.		D412-769-2	SHEET 7 OF 7
APPROVED		TITLE	SCALE
DE APPR.		AFT FACING SEAT ASSY, RH	NTS
DATE	08.06.25	COPYRIGHT © 2008 BY DART AEROSPACE LTD THIS DOCUMENT IS PRIVATE AND CONFIDENTIAL AND IS SUPPLIED ON THE EXPRESS CONDITION THAT IT IS NOT TO BE USED FOR ANY PURPOSE OR COMMUNICATED TO ANY OTHER PERSON WITHOUT WRITTEN PERMISSION FROM DART AEROSPACE LTD.	

RELEASED  
08-07-10 / MTD



DRAWING NO. <b>D412-769-2</b>	TITLE <b>AFT FACING SEAT ASSY, RH</b>	REV. B	<b>DART AEROSPACE LTD ENGINEERING ORDER</b>	D.E.O. NO. <b>D412-769-2-B-1</b>	SHEET NO. SHEET 1 OF 2	SCALE NTS
DRAWN	CHECKED <i>UP</i>	MFG. APPR. <i>[Signature]</i>	APPROVED <i>[Signature]</i>	DE APPR. <i>[Signature]</i>		
DATE <b>12.07.09</b>	DATE <b>12/7/10</b>	DATE <b>12.07.10</b>	DATE <b>12.07.10</b>	DATE <b>12.07.10</b>		

**PURPOSE:**

ADDITION OF QTY(2) D4679-1 SPACER PER PAR12-207.

**CHANGE:**

PARTS LIST IS AMENDED AS FOLLOWS:

PART NUMBER	DESCRIPTION	QTY. (-044)
D3782-045	BACK LEG ASSY	2
D3782-041	FRONT INBOARD LEG ASSY	1
D3782-044	FRONT OUTBOARD LEG ASSY, RH	1
D3783-041	LATERAL BRACE ASSY	1
D3783-043	LONGITUDINAL BRACE ASSY	2
D3783-045	ANGLE BRACE ASSY	1
D3784-041	SEAT SUPPORT ASSY	1
D3784-043	SEAT SUPPORT ASSY, LH	1
D3784-044	SEAT SUPPORT ASSY, RH	1
D3766-2	FRONT RAIL, RH	1
D3766-3	REAR RAIL	1
D3767-1	UPPER RAIL	1
D3792-1	SEAT BELT EYE BOLT	3
D3775-1	GUARD	2
D3774-1	SEAT BOTTOM	1
D3774-3	SEAT BACK	1
D4679-1	SPACER	2
AN3-5A	BOLT	6
AN4-15A	BOLT	2
AN45-13A	EYE BOLT	1
AN5-10A	BOLT	6
AN5-13A	BOLT	2
AN525-10R22	SCREW	11
AN525-10R24	SCREW	9
AN525-10R28	SCREW	2
MS21042L3	NUT	28
MS21042L4	NUT	2
MS21042L5	NUT	12
NAS1149D0332J	WASHER (AN960JD10L)	11
NAS1149D0363J	WASHER (AN960JD10)	23
NAS1149D0463J	WASHER (AN960JD416)	4
NAS1149D0568J	WASHER (AN960JD516)	20

NEW

QTY WAS 13

NEW

QTY WAS 13

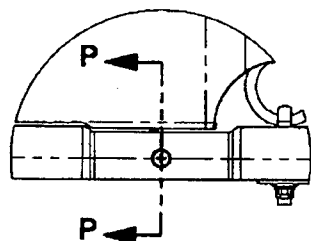
QTY WAS 21

**RELEASE**  
2012-07-16  
*[Signature]*

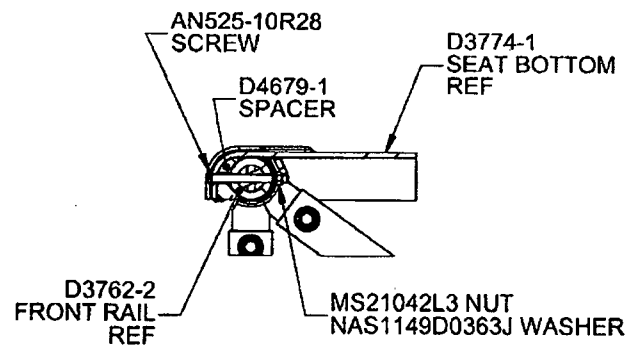
COPYRIGHT © 2012 BY DART AEROSPACE LTD  
THIS DOCUMENT IS PRIVATE AND CONFIDENTIAL AND IS SUPPLIED ON THE EXPRESS CONDITION THAT IT IS  
NOT TO BE USED FOR ANY PURPOSE OR COPIED OR COMMUNICATED TO ANY OTHER PERSON WITHOUT  
WRITTEN PERMISSION FROM DART AEROSPACE LTD.

DRAWING NO. <b>D412-769-2</b>	TITLE <b>AFT FACING SEAT ASSY, RH</b>	REV. B	<b>DART AEROSPACE LTD ENGINEERING ORDER</b>	D.E.O. NO. <b>D412-769-2-B-1</b>	SHEET NO. SHEET 2 OF 2	SCALE NTS
DRAWN	CHECKED <i>UP</i>	MFG. APPR. <i>[Signature]</i>	APPROVED <i>[Signature]</i>	DE APPR. <i>[Signature]</i>		
DATE <b>12.07.09</b>	DATE <b>12/7/10</b>	DATE <b>12.07.10</b>	DATE <b>12.07.10</b>	DATE <b>12.07.10</b>		

**IS:**

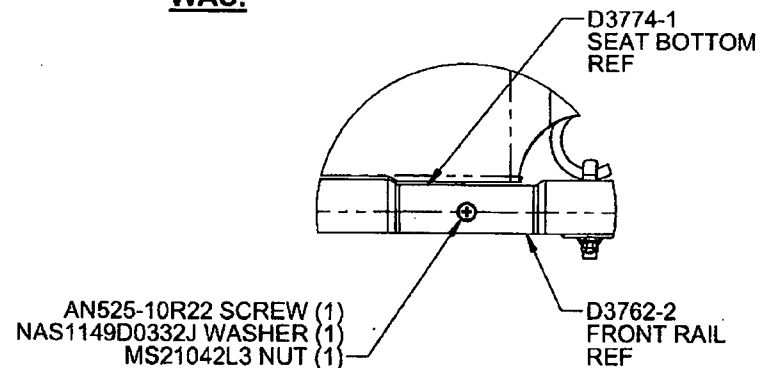


**DETAIL L**  
**SEAT BOTTOM ATTACH - FRONT DETAIL**  
2 PL



**SECTION P-P**  
**INSTALLATION OF D4679-1 SPACER**  
2 PL

**WAS:**



**DETAIL L**  
**SEAT BOTTOM ATTACH - FRONT DETAIL**

**RELEASED**  
2012-07-16  
*[Signature]*

COPYRIGHT © 2012 BY DART AEROSPACE LTD  
THIS DOCUMENT IS PRIVATE AND CONFIDENTIAL AND IS SUPPLIED ON THE EXPRESS CONDITION THAT IT IS  
NOT TO BE USED FOR ANY PURPOSE OR COPIED OR COMMUNICATED TO ANY OTHER PERSON WITHOUT  
WRITTEN PERMISSION FROM DART AEROSPACE LTD.